BRUHATH BANGALORE MAHANAGARA PALIKE

SCHEDULE - B

Name of Work : IMPROVEMENTS TO ROADS & DRAINS AT MALLASANDRA PIPELINE ROAD (POO. BANGALORE ONE) IN BAGALAGUNTE WARD NO. 14

Sl. No	Description	Unit	Qty	Rates	
				In Figs	In Words
1	Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 metres and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per spe., to lead of 0 to 9 kms distance by using private vehicle this includes the cost of loading and unloading charges etc., complete as per the direction of engneer in charge of the work	Cum	462.24	203.78	Rupee two hundred eight and seventy eight paise only
2	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth,including cost of all materials, labour HOM of machinery curing complete as per specifications	Cum	77.04	5159.02	Rupee five thousand, one hundred fifty-nine and zero two paise only
3	Design mix M 20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69cum and fine aggregates @ 0.46 cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008 i) upto 5m height	Cum	160.87	6965.26	Rupee six thousand, nine hundred sixty-five and twenty-six paise only
4	Supplying, fitting and placing TMT bar reinforcement in sub-structure as per drawing and Technical Specifications complete as per specifications. MORTH Specification No.1600 & 2200 TMT Bars FE 500	Tonne	5.31	66482.14	Rupee sixty-six thousand, four hundred eighty-two and fourteen paise only
5	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications.	Sqm	1369.60	310.58	Rupee three hundred ten and fifty-eight paise only

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Sl. No	Description	Unit	Qty	Rates	
				In Figs	In Words
6	Supplying and fixing precast reinforced conceret slabs 10cm thick of mix M20 using 20mm and sownsize graded grantite metal using reinforecement 10mm dia steel at 150mm C/C both ways cost, transportation, hire charges of machinerym machine cuttng the vertical face to get plain even surface etc., complete with all lead and lift conveyance charges, labour charges inclusive of cost of all materials	Sqm	321.00	1957.00	Rupee one thousand, nine hundred fifty-seven only
7	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 metres and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. including conveying the excavated earth silt, debris and over burden earth etc., lead o 0 to 5 kms distance by using private vehicle this includes the cost of loading and unloading charges etc., complete as per the direction of engineer- in charges of the work	Cum	300.00	170.72	Rupee one hundred seventy and seventy-two paise only
8	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specificati	Sqm	868.00	5.30	Rupee five and three paise only
9	Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	197.00	1768.08	Rupee one thousand, seven hundred sixty-eight and eight paise only

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Sl. No	Description	Unit	Qty	Rates	
				In Figs	In Words
10	Construction of dry lean cement concrete mix CC 1:1.5:10 with OPC cement @ 160 Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86 cum and fine aggregates @ 0.58cum Sub-base over a prepared sub-grade with (coarse and fine aggregate conforming to IS : 383), aggregate cement ratio not to exceed 15:1 aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/cum, optimum moisture content to be determined during traial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications.	Cum	128.58	3986.66	Rupee three thousand, nine hundred eighty-six and sixty-six paise only
11	Cement Concrete Pavement:- Construction un-reinforced plain cement concrete pavement, thickness as per design over a prepared sub base with OPC cement or any other type as per clause 1051.2.2. with 25mm and down size graded granite metal coarse aggregates and fine aggregates, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrance, sealant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grades as per drawing complete as per specifications. M30 (at 360 kg per cum coarse aggregate @ 0.69 cum and fine aggregate @ 0.46 cum)	Cum	88.70	6217.96	Rupee six thousand, two hundred seventeen and ninety-six paise only

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Sl. No	Description	Unit	Qty	Rates	
				In Figs	In Words
12	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift (Page No.177, Item No. 22.7)	Sqm	591.36	95.40	Rupee ninety-five and four paise only
13	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of cutting machine, generator & HOM of machinery, including cost of blade, coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. for concrete pavement	Rmt	154.00	121.90	Rupee one hundred twenty-one and nine paise only

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